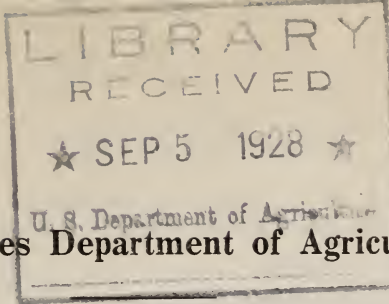


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SERVICE AND REGULATORY ANNOUNCEMENT

BUREAU OF PLANT INDUSTRY

ADULTERATION AND MISBRANDING OF SEED OF REDTOP

During the calendar year 1927 seed of redtop was procured in the open market, in accordance with the act of Congress making appropriations for the United States Department of Agriculture of which the following is a part:

Where such samples [seeds of grasses, clover, or alfalfa, and lawn-grass seeds secured in the open market] are found to be adulterated or misbranded, the results of the tests shall be published, together with the names of the persons by whom the seeds were offered for sale.

In carrying out the provisions of this act 436 mail samples and 113 purchased lots of seed in bulk were obtained. These were examined in the seed laboratory of the Bureau of Plant Industry, and publication is here made of the results of the analyses of the samples found to be adulterated or misbranded, together with the names of the persons by whom they were offered for sale. (See Table 1.)

Seed purchased from 27 firms was found to be adulterated or misbranded. In all cases timothy seed was the principal adulterant found.

TABLE 1.—*Results of tests of samples of seed obtained in the open market as redtop seed and found to be adulterated or misbranded*

Seed offered for sale or sold as redtop seed by—		Seed obtained by—	Seeds and inert matter found upon analysis of sample			
Name of dealer	Address		Red-top seed	Timothy seed	Other seed	Dirt and chaff
American Field Seed Co.	Forty-third and Robey Streets, Chicago, Ill.	Purchase (bulk)	Per ct. 76.34	Per ct. 7.16	Per ct. 3.72	Per ct. 12.78
Do.	do.	Mail (sample)	74.44	8.32	4.12	13.12
Archias' Seed Store.	106-108 East Main Street, Sedalia, Mo.	Purchase (bulk)	62.65	12.15	3.93	21.27
Binghamton Seed Co.	135 Court Street, Binghamton, N. Y.	do.	81.62	6.38	.84	11.16
Buck Bros.	28 West Main Street, Middletown, N. Y.	do.	82.15	5.70	2.49	9.66
Do.	do.	Mail (sample)	83.39	6.11	1.92	8.58
Bushnell & Co., D. I.	105-111 North Second Street, St. Louis, Mo.	Purchase (bulk)	75.71	20.57	1.04	2.63
Do.	do.	Mail (sample)	71.86	10.11	2.46	15.57
Campbell, Henry.	Seward, Nebr.	Purchase (bulk)	74.07	8.94	.46	16.53
Cashman Seed Co.	Owatonna, Minn.	do.	70.13	8.28	3.42	18.17
Davenport Seed Co.	Davenport, Iowa	do.	50.65	12.68	13.62	23.05
Do.	do.	Mail (sample)	51.15	12.55	13.98	22.32
Fielding's Sons, Geo. T.	Manhattan, Kans.	Purchase (bulk)	58.70	22.15	6.09	13.06
Forbes & Co., Alexander.	115 Mulberry Street, Newark, N. J.	do.	58.63	7.71	5.21	28.45
Do.	do.	Mail (sample)	62.74	5.17	5.08	27.01
Grout, Chas. F.	332 Twenty-fourth Street, Ogden, Utah.	Purchase (bulk)	74.82	13.35	.54	11.29
Do.	do.	Mail (sample)	75.37	12.27	.58	11.73
Haile & Sons, J. C.	215 Walnut Street, Cincinnati, Ohio.	Purchase (bulk)	72.60	16.36	1.43	9.61
Do.	do.	Mail (sample)	73.84	20.43	1.19	4.54
Do.	do.	Purchase (bulk)	76.99	9.56	5.40	8.05
Do.	do.	Mail (sample)	75.70	17.36	1.22	5.72
Hardin, Hamilton & Lewman.	831 West Main Street, Louisville, Ky.	Purchase (bulk)	56.73	18.29	8.92	16.06
Do.	do.	Mail (sample)	55.32	21.29	8.55	14.84

TABLE 1.—*Results of tests of samples of seed obtained in the open market as redtop seed and found to be adulterated or misbranded—Continued*

Seed offered for sale or sold as redtop seed by—		Seed obtained by—	Seeds and inert matter found upon analysis of sample			
Name of dealer	Address		Red-top seed	Timothy seed	Other seed	Dirt and chaff
Hertzog, H. W.	Sixth and Bingaman Streets, Reading, Pa.	Purchase (bulk) ..	<i>Per ct.</i> 78.50	<i>Per ct.</i> 5.32	<i>Per ct.</i> 1.98	<i>Per ct.</i> 14.20
Do.	do.	Mail (sample) ..	78.81	6.15	1.66	13.38
Hudon Seed Co.	Nashville, Tenn.	Purchase (bulk) ..	77.18	9.38	2.65	10.79
Do.	do.	Mail (sample) ..	76.27	10.60	2.81	10.32
Hudson & Farnau ..	Lancaster, Ky.	Purchase (bulk) ..	62.92	14.33	¹ 8.71	14.04
Do.	do.	Mail (sample) ..	63.10	13.60	¹ 8.71	14.59
Interstate Seed & Grain Co.	417-419 Front Street, Fargo, N. Dak.	Purchase (bulk) ..	51.68	42.83	.84	4.65
Do.	do.	Mail (sample) ..	52.11	42.83	.92	4.14
Kellogg Bros.	Wichita, Kans.	Purchase (bulk) ..	66.50	11.17	¹ 7.20	15.13
Lexington Seed Co.	222-224 West Vine Street, Lexington, Ky.	do.	74.91	14.49	2.27	8.33
Do.	do.	Mail (sample) ..	78.26	10.39	2.37	8.98
McKay-Reece Co.	Nashville, Tenn.	Purchase (bulk) ..	79.73	8.57	2.42	9.23
Do.	do.	Mail (sample) ..	84.79	5.19	2.51	7.51
Mitchell Seed Co.	221-223, South Second Street, St. Joseph, Mo.	Purchase (bulk) ..	66.41	8.69	1.83	23.07
Do.	do.	Mail (sample) ..	67.51	7.57	2.32	22.60
Do.	do.	Purchase (bulk) ..	65.44	7.97	2.38	24.21
Do.	do.	Mail (sample) ..	66.72	8.24	2.46	22.58
National Seed Co.	101 West Main Street, Louisville, Ky.	Purchase (bulk) ..	77.00	12.03	2.90	8.02
Do.	do.	Mail (sample) ..	73.60	13.11	3.57	9.72
Do.	do.	Purchase (bulk) ..	70.43	14.40	3.60	11.52
Do.	do.	Mail (sample) ..	72.13	10.98	3.75	13.14
Petersen Seed Co., Jul.	709 Carroll Street, St. Louis, Mo.	Purchase (bulk) ..	78.22	5.80	1.68	14.30
Do.	do.	Mail (sample) ..	79.73	6.82	1.17	12.23
Rose & Co., G. P.	Nashville, Tenn.	Purchase (bulk) ..	78.47	9.17	2.60	9.76
Schwill & Co., Otto.	10-12 South Front Street, Memphis, Tenn.	do.	78.24	11.31	2.42	8.03
Do.	do.	Mail (sample) ..	65.39	17.88	5.43	11.39
The Wertz Seed Co.	Sioux City, Iowa.	Purchase (bulk) ..	48.80	13.88	¹ 11.43	25.84
Do.	do.	Mail (sample) ..	49.08	16.88	¹ 10.57	23.47
Yopp Seed Co.	318-320 South Second Street, Paducah, Ky.	Purchase (bulk) ..	60.47	19.81	7.38	12.34
Do.	do.	Mail (sample) ..	53.83	23.81	8.67	13.69

¹ Mostly cinquefoil.

The Bureau of Plant Industry of the United States Department of Agriculture will continue to examine and report promptly as to the presence of adulterants and dodder in any sample of seed submitted for that purpose. According to the location of the sender, these samples may be submitted to the seed laboratory at Washington, D. C., or to any of the following laboratories maintained through the cooperation of this department: Cooperative Seed Laboratory, California State Department of Agriculture, Capitol Extension Building, Sacramento, Calif.; Cooperative Seed Laboratory, Oregon Agricultural College, Corvallis, Oreg.; Cooperative Seed Laboratory, Purdue University Agricultural Experiment Station, LaFayette, Ind.; Cooperative Seed Laboratory, Missouri Agricultural Experiment Station, Columbia, Mo.

Approved:

W. M. JARDINE,
Secretary of Agriculture.

WASHINGTON, D. C., August 15, 1923